TREE AND SHRUB PLANTINGS _ANDSCAPE SPECIFICATIONS

- ALL PLANT MATERIALS SHALL CONFORM TO THE INTERNATIONAL SOCIETY OF ARBORICULTURE *PRINCIPALS AND PRACTICES OF PLANTING TREES AND SHRUBS*, AND THE MOST RECENT VERSION OF THE *AMERICAN STANDARD FOR NURSERY STOCK -* ANSI Z60.1.
- CONTRACTOR SHALL STAKE ALL PLANT LOCATIONS AND THE ENGINEER SHALL APPROVE PRIOR TO INSTALLATION.
- CONTRACTOR SHALL PROTECT LANDSCAPE PLANTS AT ALL TIMES FROM SUN AND DRYING WINDS. PLANTS THAT ARE TO BE TEMPORARILY STORED ON SITE UNTIL READY FOR INSTALLATION SHALL BE KEPT SHADED AND PROTECTED WITH SOIL, BARK MULCH OR OTHER ACCEPTABLE MATERIAL AND REGULARLY WATERED.
- STREET TREES TO ARRIVE FROM NURSERY WITH 6 FEET/2 METERS BETWEEN THE FINISHED GRADE AND THE FIRST TREE BRANCH. DURING INSTALLATION OF LANDSCAPE PLANTINGS, CONTRACTOR SHALL DETERMINE WHERE EXISTING UNDERGROUND UTILITIES ARE LOCATED TO AVOID INTERFERENCE.
- DO NOT PRUNE THE TREES OR SHRUBS AT PLANTING. PRUNE ONLY DEAD OR CRUSHED ROOTS AND DEAD OR INJURED BRANCHES.
- TREES SHALL HAVE A MINIMUM 50% LIVE CROWN RATIO.
- EACH TREE AND SHRUB MUST BE PLANTED SUCH THAT THE ROOT FLARE AND MAIN ORDER ROOTS ARE VISIBLE AT THE TOP OF THE ROOT BALL. WHERE THE MAIN ORDER ROOTS ARE NOT VISIBLE, EXCESS SOIL SHALL BE REMOVED TO LOCATE THEM. PLANT TREES AND SHRUBS SO THAT THE MAIN ORDER ROOTS ARE AT FINISHED GRADE. DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL OR MULCH.
- EXAMINE ENTIRE TREE AND SHRUB AND REMOVE ALL NURSERY TAGS, TREE WRAP, ROPE, STRING AND SURVEYOR TAPE PRIOR TO PLANTING TO PREVENT GIRDLING.
- FOR ALL TREES AND SHRUBS: CUT AND REMOVE WIRE MESH BASKET. CUT AND REMOVE ROPE AND BURLAP WRAP FROM TOP 2/3 OF ROOTBALL AFTER PLACEMENT IN PLANTING PIT. LOOSEN REMAINING BURLAP TO ALLOW FOR ROOT DEVELOPMENT. IF THE TREE OR SHRUB HAS SYNTHETIC OR TREATED BURLAP, REMOVE IT ENTIRELY AFTER PLACING ROOT BALL IN PLANTING PIT.
- BREAK APART EDGE OF EXCAVATION WITH SHOVEL AND BLEND PLANT MIX WITH EXISTING SOIL TO PROVIDE SOIL TRANSITION.
- TREE PIT AREA SHALL HAVE A MINIMUM DEPTH OF 36". SHRUB PLANTING PIT SHALL HAVE A 24" MINIMUM DEPTH. THE TREE PIT AREA SHALL HAVE THE PLANT MIX SPECIFIEDBELOW.

12.

- STAKING REQUIRED ONLY IN SITUATIONS WHERE TREES WILL BE SUBJECTED TO WINDY CONDITIONS AS DETERMINED BY THE ENGINEER. STAKES SHALL BE REMOVED BY THE CONTRACTOR AT THE END OF THE WARRANTY PERIOD.
- FOLLOWING PLANTING, FERTILIZER AND MYCORRHIZAL FUNGI SHALL BE APPLIED TO TREES AND SHRUBS. LANT MIX SHALL CONSIST OF THE FOLLOWING RATIO: 1/3 PART COMPOST, 2/3 PARTS TOPSOIL. PLANT MIX TO BE ESTED AND APPROVED FOR QUALITY BY ENGINEER PRIOR TO INSTALLATION. THE CORRECT GRADE OF OMPOST IS AVAILABLE FROM, BUT NOT LIMITED TO, THE FOLLOWING MANUFACTURERS: INTERVALE COMPOST RODUCTS, VERMONT NATURAL PRODUCTS AND VERMONT COMPOST COMPANY.
- ONCE ALL LANDSCAPE PLANTINGS HAVE BEEN INSTALLED, PLACE A LIGHT LAYER OF HEMLOCK OR PINE BARK MULCH; MAXIMUM OF 2" THICK, ON PLANTING BEDS. NO DYED MULCH WILL BE ACCEPTED.

16.

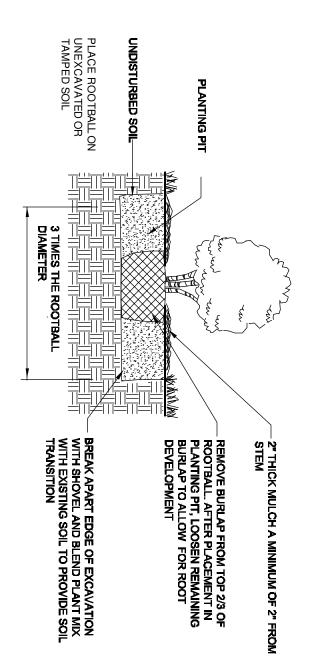
- WATER ALL TREES AND SHRUBS THOROUGHLY ONCE PLANTED TO PULL SOILS AGAINST ROOT BALL AND SETTLE AIR POCKETS. ADDITIONAL SOIL MAY BE NEEDED; WATER AGAIN TO ENSURE COMPLETE COMPACTION. RE-SET SETTLED PLANTS TO PROPER GRADE AND POSITION. RESTORE ADJACENT MATERIAL AND REMOVE DEAD MATERIAL. THERE SHALL BE NO WATERING BERM INSTALLED AROUND PLANTS.
- CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF ALL LANDSCAPE PLANTINGS AND SHALL INCLUDE PRUNING, CULTIVATING, WEEDING, WATERING, AND APPLICATION OF APPROPRIATE INSECTICIDES AND FUNGICIDES NECESSARY TO MAINTAIN PLANTS FREE OF INSECTS AND DISEASE DURING CONSTRUCTION AND WARRANTY AND UNTIL ACCEPTANCE. CONTRACTOR SHALL WATER ALL PLANTINGS DAILY. ENT AND WEATHER PERMITS.
- APE PLANTS SHALL BE GUARANTEED FOR A PERIOD OF TWO YEARS AFTER PLANTING.

ESTABLISHMENT

ALL DISTURBED AREAS THAT DO NOT HAVE AN IMPERVIOUS SURFACE (PAVEMENT, SIDEWALKS, ROOFS) SHALL BE STABILIZED WITH SEEDING AND MULCHING PRIOR TO OCTOBER 1. ANY WORK PERFORMED AFTER SEPTEMBER 15 OF EACH YEAR SHALL BE STABILIZED WITH MULCH OR NETTING SUFFICIENT TO PREVENT EROSION AND SHALL BE IMMEDIATELY SEEDED AND REMULCHED AS SOON AS WEATHER PERMITS IN THE SPRING. PLACEMENT OF TOPSOIL AND THE APPLICATION OF SEED, FERTILIZER, LIME (WHERE APPLICABLE), AND MULCH SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

- SEED MIXTURES SHALL CONFORM TO THE SEED MIX TABLES SHOWN ON THIS SHEET AND BE SPREAD UNIFORMLY IN ALL AREAS INDICATED ON THE PLANS AT THE SPECIFIED RATE. FOR SEEDING BETWEEN SEPTEMBER 1 AND OCTOBER 1, WINTER RYE SHALL BE OVERSEEDED AT AN APPLICATION RATE OF 100 POUNDS PER ACRE. A MINIMUM OF 4" OF APPROVED TOPSOIL SHALL BE PLACED IN ALL AREAS. PLACEMENT OF TOPSOIL SHALL NOT BE DONE WHEN THE GROUND OR TOPSOIL IS FROZEN, EXCESSIVELY WET, OR OTHERWISE IN A CONDITION DETRIMENTAL TO THE WORK. FOLLOWING PLACEMENT OF TOPSOIL, THE SURFACE SHALL BE RAKED. ALL STONES, LUMPS, ROOTS, OR OTHER OBJECTIONAL MATERIAL SHALL BE REMOVED.
- FERTILIZER SHALL CONFORM TO THE STANDARDS OF *THE ASSOCIATION OF OFFICIAL AGRICULTURAL CHEMISTS AND* BE APPLIED ONLY AFTER PERFORMING A SOIL TEST AND BE APPLIED BASED UPON SOIL DEFICIENCIES. LIME SHALL ONLY BE APPLIED AS NEEDED BASED UPON A SOIL PH TEST.
- WITHIN 24 HOURS OF APPLICATION OF SEED, FERTILIZER AND LIME, THE SURFACE SHALL BE MULCHED WITH A HAY MULCH. MULCH SHALL BE SPREAD UNIFORMLY OVER THE AREA AT A MIRATE OF 2 TONS PER ACRE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR A FULL GROWTH OF GRASS IN ALL DISTURBED AREAS TO BE RE-VEGETATED. VEGETATION GROWTH SHALL BE PERMANENT AND SUFFICIENT TO PREVENT EROSION OF THE UNDERLYING SOIL UNDER ALL CONDITIONS OF PRECIPITATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING AND CARING FOR SEEDED, MULCHED, A AREAS OF ESTABLISHED VEGETATION UNTIL FINAL ACCEPTANCE OF THE WORK BY THE OWNER.
- % BY WEIGHT 31.25 31.25 37.5 37.5 45 KENTUCKY BLUEGRASS
 WINTER HARDY, PERENNIAL
 RYE CREEPING RED FESCUE TYPE OF SEED

URBAN MIX GRASS SEED



3/8" ANCHOR BOLT IN - 1/4" THICK MOUNTING PLATE (TYP.)

SURFACE MOUNT ANCHOR (TYP.)

PAVEMEMT

ETE PAD

SECTION NTS

8" DENSE GRADED CRUSHED GRAVEL SUBBASE VTRANS #704.05 FINE

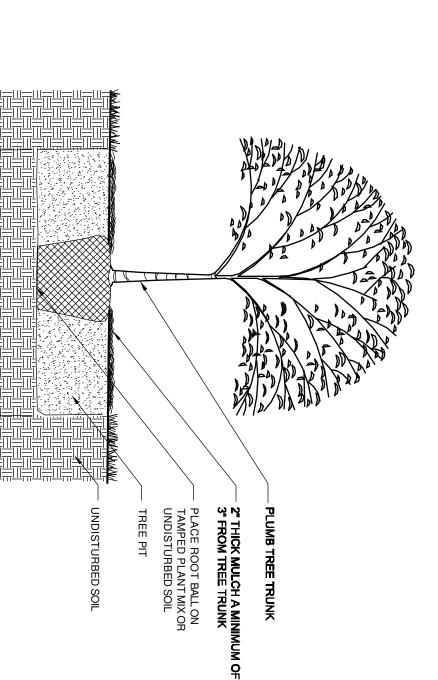
12"

SEQUENCE OF EVENTS:
TOPSOIL, SEED, MULCH, AND INSTALI
MATTING, OR HYDROSEED WITH
APPROVED BINDER AFTER SURFACE
ROUGHENING.

SLOPE GRADING
NTS

NEW EDGE OF PAVEMENT

SHRUB PL/ ANTING DETAIL



BIKE RACK DETAIL

3. SEE PLAN FOR LOCATION AND LAYOUT.

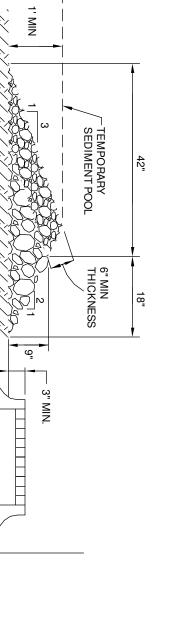
2. BIKE RACKS SHALL BE POWDER COATED RACKS, AS INDICATED ON PLANS.

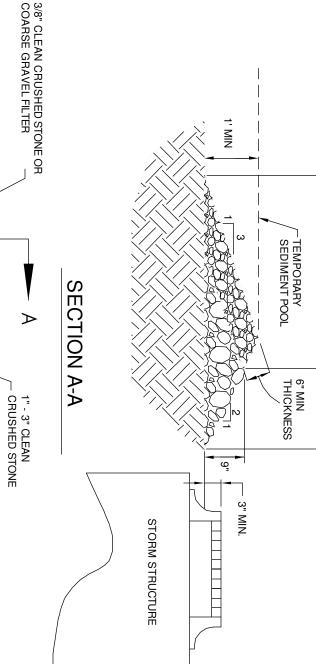
LL BE POWDER COATED

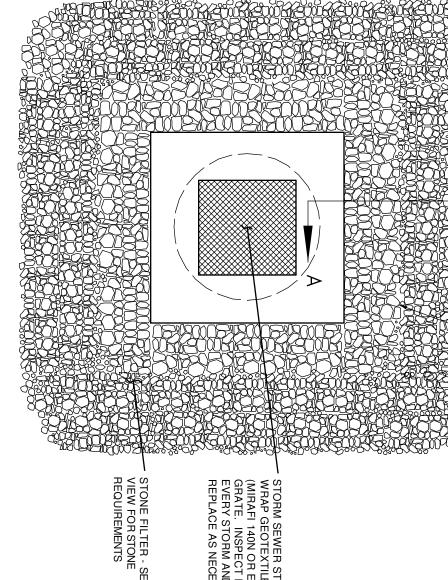
WING TO MANUFACTURE

NORTH AMERICAN APPROVED EQUAL

STREE T TREE PLANTING DETAIL







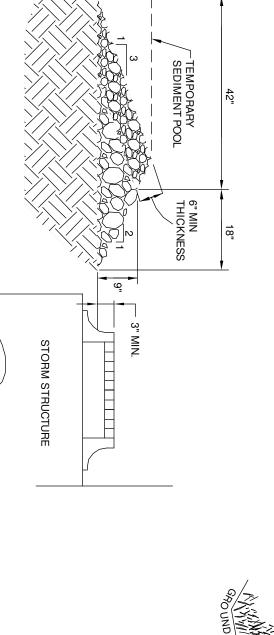
PLAN VIEW

NOTES:

1. INLET PROTECTION TO BE PROVIDED AT ALL CATCHBASINS OR YARD INLETS

2. THE STONE FILTER SHALL BE INSPECTED FOLLOWING EACH STORM. ACCUSHALL BE REMOVED AND THE STONE REPLACED AS NECESSARY.

3. THE LIMITS OF THE STONE AROUND THE INLET MAY BE MODIFIED BY THE EIGHT OF THE CATCHBASIN. CATCH BAS SIN INL



FABRIC TO BE KEYED 6" INTO GROUND

12" MIN.

PREPARE SOIL BEFORE INSTALLING MATTING, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND EED. SOIL SURFACE SHALL BE GRADED SMOOTH WITHOUT ROOTS, STONES OR OTHER PROTUSIONS THAT WILL REVENT THE MATTING FROM BEING APPLIED IN FULL CONTACT WITH THE SOIL SURFACE.

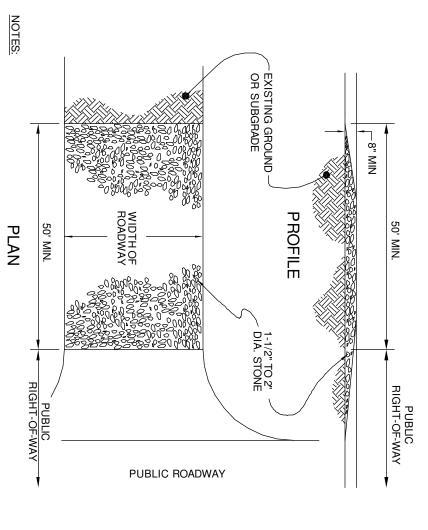
)N MATTING WILL BE USED ON SLOPES STEEPER THAN 3H:1V OR AS SH

ON THE PL

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IEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE MATTING IN A 6" DEEP X 6" WIDE TRENCH WITH PROXIMATELY 12" OF MATTING EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE TRING WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL DECENTION OF THE TRENCH BACKFILL DECENTAGE. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION MATTING BACK OVER SEED AND COMPACTED SOIL. SECURE MATTING OVER COMPACTED SOIL WITH A ROW OF PLES/STAKES SPACED APPROXIMATELY 12" PART ACROSS THE WIDTH OF THE MATTING.

RIOR TO BEGINNING OF CONSTRUCTION OR EARTHMOVING, THE CONTRACTOR SHALL INSTALL A
ITINUOUS SILT FENCE AT THE LIMIT OF DISTURBANCE SHOWN ON THE SITE PLAN.
ROZEN MATERIAL SHALL NOT BE USED TO KEY IN THE BOTTOM OF THE SILT FENCE. IF NECESSARY,
NULAR BORROW SHALL BE USED BY THE CONTRACTOR TO KEY IN THE SILT FENCE RATHER THAN
ZEN NATIVE MATERIAL.
HE CONTRACTOR SHALL INSTALL SILT FENCE AROUND THE PERIMETER OF TOPSOIL STOCKPILES AND
OTHER LOCATIONS AS NEEDED.



STABILIZED (CONSTRUCTION EXIT

NOT FOR CONSTRUCTION

A PLANNED RESIDENTIAL DEVELOPMENT LANDSCAPING & EROSION

DETAILS AND SPECIFICATIONS

04/09/07

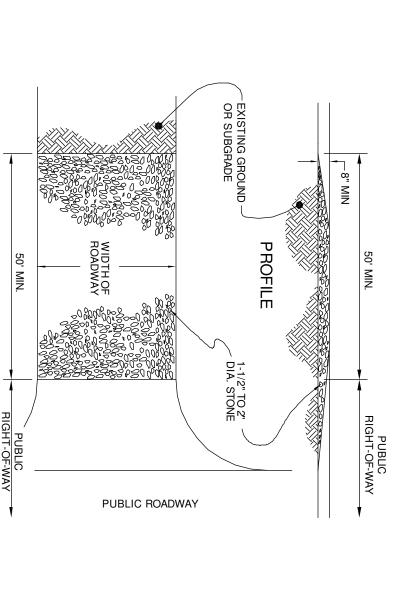
N.T.S.

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5. THE EDGES OF PARALLEL MATTING MUST BE STAPLED WITH APPROXIMATELY 6" OVERLAP DEPENDING ON MATTING TYPE.

OLL THE MATTING (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. INSURE THAT THE APPROPRIATE SIDE THE MATTING IS AGAINST THE SOIL SURFACE BY CING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE MANUFACTURER'S STAPLE PATTERN DE FOR THE PARTICULAR PRODUCT AND APPLICATION. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR KE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE MATTING.

CONSECUTIVE MATTING SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE - WITH THE "PPER MATTING PLACED OVER THE TOP OF THE LOWER MATTING) WITH AN APPROXIMATE 12" OVERLAP. STAPLE HROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE MATTING WIDTH.

EROSION MATTING FOR SLOPES

Date Revision	8-7-07 REVISED LAYOUT	10-5-07 REVISED LAYOUT	1-9-08 REVISED DRIVEWAY LAYOUT	7-13-09 REVISED LIGHTING AND LANDSCAPING	9-11-09 REVISED PERVIOUS CONCRETE DETAILS	8-26-10 GENERAL REVISIONS PER COURT APPEAL	10-29-10 REVISE LAYOUT	4-4-11 REVISE LAYOUT	5-24-11 ADD EASEMENT AND CONVEYANCE TO CITY	4-1-15 REVISED FOR PRELIMINARY RE-FILING TO CITY
Ву	DLH	DLH	DLH	DLH	DLH	DLH	DLH	DLH	DLH	DLH

	These pla	Date	8-7-07	10-5-07	1-9-08	7-13-09	9-11-09	8-26-10	10-29-10	4-4-11	5-24-11	4-1-15	
Sketch/Concept Act 250 Review	These plans shall only be used for the purpose shown below:	Revision	REVISED LAYOUT	REVISED LAYOUT	REVISED DRIVEWAY LAYOUT	REVISED LIGHTING AND LANDSCAPING	REVISED PERVIOUS CONCRETE DETAILS	GENERAL REVISIONS PER COURT APPEAL	REVISE LAYOUT	REVISE LAYOUT	ADD EASEMENT AND CONVEY ANCE TO CITY	REVISED FOR PRELIMINARY RE-FILING TO CITY	
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Final Local Review Record Drawing	Preliminary Construction	Sketch/Concept Act 250 Review	These plans shall only be used for the purpose shown below:	Revision	REVISED LAYOUT	REVISED LAYOUT	REVISED DRIVEWAY LAYOUT	REVISED LIGHTING AND LANDSCAPING	REVISED PERVIOUS CONCRETE DETAILS	GENERAL REVISIONS PER COURT APPEAL	REVISE LAYOUT	REVISE LAYOUT	ADD EASEMENT AND CONVEYANCE TO CITY	REVISED FOR PRELIMINARY RE-FILING TO CITY	
				Ву	DLH	DLH	DLH	DLH	DLH	DLH	DLH	DLH	DLH	DLH	